Advanced Graph Algorithms

Guest Editor:

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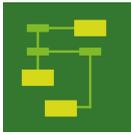Deadline for manuscript submissions:
closed (1 September 2022)

Message from the Guest Editor

You are invited to submit your original research on Graph Algorithms to our Special Issue. Submissions with new algorithmic results as well submissions focusing on complexity results are welcome. We are looking for both theoretical algorithmic research work and non-trivial practical applications of existing algorithms. Possible subjects include but are not limited to classical graph algorithmic subjects such as coloring, matching, network flows, network construction, routing, graph enumerations, and intersection models. Submitted work may present solutions using, approximation, parameterized, and game theoretic techniques and problems, among others, with an on-line or distributed nature.

- approximation algorithms
- parameterized algorithms
- algorithmic game theory
- on-line algorithms
- competitive analysis
- intersection models

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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